# Technical Data

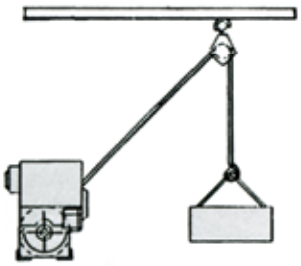
## Capacity of Units by Layer

The load capacity of a winch-hoist is in relation to the amount of cable on the drum at the point of lift. The more cable on the drum, the less the effective weight that can be lifted without creating a possible overload condition on the unit. Use only the amount of cable required by the application. Maintain a minimum of four wraps of cable on the drum at all times.

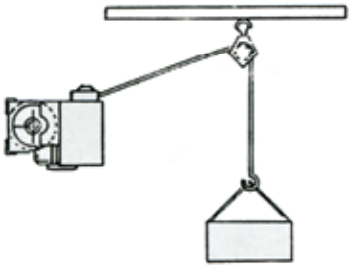
| Layers of Cable / Model Capacities | 10-12 | | 100AB/500 & 800AB | | AC36B & DC48 | | HY1D & 520 | |
|---|---|---|---|---|---|---|---|---|
| | lbs | ft (1/4") | lbs | ft (1/4") | lbs | ft (5/16") | lbs | ft (1/4") |
| Layer 1-2 | 1,250 | 50 | 1,000 | 50 | 3,000 | 50 | 1,500 | 50 |
| Layer 3 | 1,050 | 65 | 850 | 65 | 2,650 | 100 | 1,275 | 65 |
| Layer - Full | 750 | 250 | 600 | 250 | 2,150 | 161 | 900 | 250 |

## Illustration of Single-Line Lifts

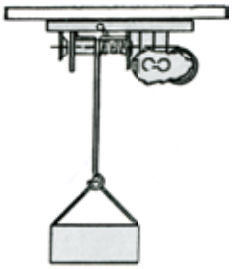
*Base Mount*



*Bulkhead or Wall Mount*

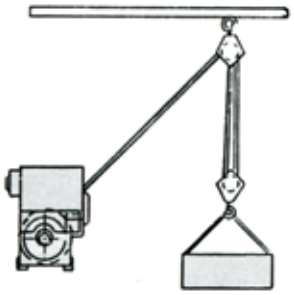


*Overhead Mount*

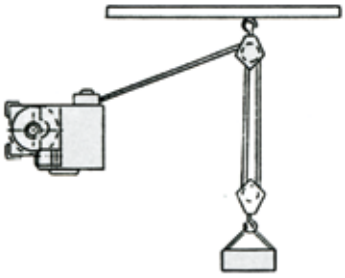


## Illustration of Double-Line Lifts

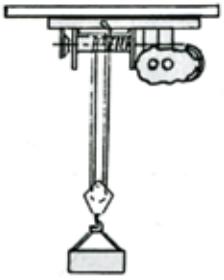
*Base Mount*



*Bulkhead or Wall Mount*



*Overhead Mount*



## My-te Winch-Hoist Pull Capacities* on Inclines (% of Incline/Degree of Angle) in Pounds


| Model | 0% (0°) | 10% (6°) | 20% (11°) | 40% (22°) | 60% (31°) | 80% (39°) | 100% (45°) |
|---|---|---|---|---|---|---|---|
| 10-12 | 30,000 | 10,039 | 5,096 | 2,692 | 1,943 | 1,600 | 1,414 |
| 100AB | 25,000 | 8,031 | 4,076 | 2,154 | 1,554 | 1,280 | 1,131 |
| AC36B | 75,000 | 24,093 | 12,230 | 6,462 | 4,664 | 3,841 | 3,394 |
| DC48 | 75,000 | 24,093 | 12,230 | 6,462 | 4,664 | 3,841 | 3,394 |

*My-te winch-hoists are rated for what they will vertically lift. Listed data based on the total load that may be pulled, single line, up a given incline. (These are mathematical calculations. Specific applications will vary.)*

**All capacities are reduced 20% to allow for minimum friction occurring in pull.*